

2014
Scuola Normale Superiore
Piazza dei Cavalieri, 7
Pisa

ERC Research Period on Calculus of Variations and Analysis in Metric Spaces

Luigi Ambrosio, Aldo Pratelli

9-13 GIUGNO

SCHOOL

Organizers
LUIGI AMBROSIO
NICOLA GIGLI
KARL-THEODOR STURM

ANALYSIS AND GEOMETRY ON SINGULAR SPACES

Lecturers:

Vitali Kapovitch (Toronto University)

Alexandrov Geometry

Aaron Naber (MIT)

Regularity of Spaces with Lower and Bounded Ricci Curvature

Giuseppe Savaré (Università di Pavia)

Metric measure spaces with Riemannian Ricci curvature bounded from below

16-20 GIUGNO

WORKSHOP

Organizers
GUIDO DE PHILIPPIS
FRANK MORGAN
ALDO PRATELLI

ISOPERIMETRIC PROBLEMS BETWEEN ANALYSIS AND GEOMETRY

23-28 GIUGNO

SCHOOL

Organizers
LUIGI AMBROSIO
CARLO MANTEGAZZA
ANDREA MENNUCCI

SCHOOL ON GEOMETRIC EVOLUTION PROBLEMS

Lecturers:

Gerard Besson (Institut Fourier Grenoble)

On open 3-manifolds

***Tobias Colding** (MIT)

Generic mean curvature flow

Robert Haslhofer (MIT)

Mean curvature flow of mean convex hypersurfaces

Peter Michor (Wien University)

Geodesic evolution equations on shape spaces and diffeomorphism groups

Felix Schulze (University College London)

Networks of curves evolving by curvature in the plane

30 GIUGNO-5 LUGLIO

WORKSHOP

Organizers
BERNARD DACOROGNA
ALDO PRATELLI

EXISTENCE AND REGULARITY FOR NONLINEAR SYSTEMS OF PARTIAL DIFFERENTIAL EQUATIONS

7-12 LUGLIO

SCHOOL

Organizers
NICOLA FUSCO
ALDO PRATELLI

SCHOOL ON FREE DISCONTINUITY PROBLEMS

Lecturers:

Matteo Focardi (Università di Firenze)

Fine regularity results for Mumford-Shah minimizers: higher integrability of the gradient and estimates on the Hausdorff dimension of the singular set

Giovanni Leoni (Carnegie Mellon University)

Epitaxial growth of thin films

Massimiliano Morini (Università di Parma)

Local and global minimality results for an isoperimetric problem with long range interactions

**Registration and
application for funding**

<http://cvgmt.sns.it/Pisa-bimester-2014>

Deadline for applications: March 30, 2014

Informazioni

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SUPERIORE



Centro
di Ricerca
Matematica
Ennio De Giorgi
Matematica
nelle Scienze Naturali
e Sociali



*=to be confirmed